

WINDING CORES WITH STRATIFICATION MOTION

Abstract of the Disclosure

A winder and system for winding wire onto core supports of dynamo-electric cores with
5 translational, rotational and radial motions with respect to a central longitudinal axis of the dynamo-electric core is provided. The radial motion may preferably be provided by an independent assembly. In one embodiment of the invention, the radial motion may
10 be provided by rotating a cam disk which is movably connected to, and causes radial motion of, a pair of rollers. The pair of rollers are mounted on support arms which are connected to a needle for dispensing the wire such that movement of the pair causes similar
15 movement of the needle. In another embodiment of the invention, an inclined way is coupled to a slide portion of the needle. When the inclined way is moved parallel to the axis, it causes a radial motion of the slide portion.